

~~C-O-N-F-I-D-E-N-T-I-A-L~~

SEE BOTTOM OF PAGE FOR SPECIAL CONTROLS, IF ANY

INFORMATION REPORT

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

25X1

PREPARED AND DISSEMINATED BY

CENTRAL INTELLIGENCE AGENCY

COUNTRY

Hungary

SUBJECT

Organizational Breakdown and Key Personalities,
Hungarian Civilian Mapping Agencies

DATE DISTRIBUTED

18 Mar 58

NO. OF PAGES

5

NO. OF ENCLS.

SUPPLEMENT TO REPORT #

25X1

THIS IS UNEVALUATED INFORMATION

2. Mapping and surveying work in Hungary was generally divided between civilian and mapping organizations. Geodetic work [] was being performed only by civilian agencies. The over-all authority for civilian mapping rested with the State Surveying and Cartographic Office (Allami Felmérés és Térképészeti Hivatal - AFTH) which had an independent status [] like a Ministry and fell under the supervision of the Council of Ministers. Only top-flight and highly experienced people worked at the AFTH, making policy and giving directives to the lower echelons. The Budapest Geodetic and Cartographic Enterprise (Budapesti Geodéziai és Térképészeti Vállalat - BGTV) was the actual working-level organization for civilian mapping. The BGTV in turn worked closely with the military mapping agency which was the Military Cartographic Institute (Honved Térképészeti Intézet - HTI). []

25X1

25X1

25X1

~~C-O-N-F-I-D-E-N-T-I-A-L~~

DISTRIBUTION

STATE

ARMY

NAVY

AIR

C-O-N-F-I-D-E-N-T-I-A-L

- 2 -

3. The Budapest Geodetic and Cartographic Enterprise (Budapesti Geodeziai és Terkepészeti Vállalat - BGTV) was located at Ankerköz 1, Budapest VI. About 800 people were connected with this organization, of whom about 400 were technically trained employees; all were civilians. The Enterprise was headed by Lajos HOMORÓDY. The BGTV had the following organizational breakdown:

a. TOPOGRAFIA (Topographic Division)

1. Originally, there were 200 people working in the division.

in April 1957 only 50 people were working in the division. The majority of the staff were ex-military people with good mapping experience. Others had technical schooling of 1 year which they had received at the Enterprise. There was on-the-job training for the various levels of employees: Technical (Basic); Advanced technical; and Advanced engineering. The latter group taught the first two groups. The quality of training was good. Textbooks, all Hungarian, were standard texts.

2. The former chief of the division was József KISS who was transferred to the Forestry Ministry. The chief, Dr. István HEGYI,

His assistant was Miklós KONDOROSSI.

3. The Topographic Division. The division was divided into two branches ("csoport"). one branch was dissolved in April 1957. A third "csoport," an inspection branch ("Ellenőrzési csoport"), supervised the work of the other two branches which were divided into four sections ("kirendeltség"). Each section in turn was divided into one to four units ("brigád") which had two or three people each. The inspection branch had only four or five people, one for each section.

4. The following outstanding personalities were in the Topographic Division:

Otto ROBERT -

Bela SZENDI -

István GYÖRGYÉNI

István KAROSZI -

- b. FOTOGRAMMETRIA (Photogrammetric Division) This division employed about 30 people. The chief of the division was Zoltán BALLO, The division was divided into three branches ("csoport"):

1. FOTOGRAMMETRIA (Photogrammetry) This branch had seven or eight people. Its chief was Géza HANKÓ.

The work performed in this branch was the "projection" and rectification of aerial photography on maps by means of a "transformator" (model Zeiss); the preparation of photo mosaics (scale at 1:4,000); and stereo-compilation which was introduced at the BGTV for the first time in January-February 1957. There was one instrument of East German manufacture at the BGTV. The Military Cartographic Institute did stereo-compilation much earlier. Some aerial triangulation work was done at the BGTV.

C-O-N-F-I-D-E-N-T-I-A-L

25X1

C-O-N-F-I-D-E-N-T-I-A-L

- 3 -

2. TERKEPELOKESZITES (Map Preparation) This branch had seven or eight people. The former chief was Gabor VERESS. The branch had the responsibility of (a) laying out grids (paper mounted on metal) and (b) plotting trigonometric points and elevations. The data was obtained from "trig" lists which were obtained from the library.

3. FESTYMASALOK (Reproduction) This branch had about 16 people. The branch was headed by Zoltan BALLO and performed such work as making blue line boards (reduced to 1:5,000), reproducing field sketches, and making prints for the Cartographic Division. [redacted] the camera used in the photo 25X1 laboratory was made by Zeiss.

c. GEODEZIA (Geodetic Division) This was the largest division in the organization, having 80-100 people, of whom 60-70 were engineers. Its chief was Ferenc (?) HORVATH.

[redacted] The 25X1 division had three branches:

1. HAROMSZOGELOK (Triangulation Branch) This branch was divided into: 25X1 "FELSORENDU" Section - performed 1st-3rd order work; "ALSORENDU" Section - 4th-5th order work; Istvan ILLES; [redacted]; Tivador BENCZE; [redacted]; Frigyes JAHN [redacted] The two sections worked very closely with each other but varied in size. The older and more experienced people worked in the "FELSORENDU."

[redacted] the following instruments were used in the branch: 25X1 Wild T-3 (number 2-5), for 1st and 2nd order work; Wild T-2's (for 3rd and 4th order work), and Wild T-1's, (for 5th order work); there were available also an unknown number of Russian-made OT-10's, which were similar to the Wild T-2 instruments but, in accuracy, were only as good as the Wild T-1's. Generally, the number of available instruments was sufficient to do the assigned work load. 25X1 [redacted] the Russians usually used East German-made instruments for their work.

2. SZINTEZOK (Levelling Branch) This branch employed approximately 30 people. The branch was considered more or less as an independent unit. Its chief was Dr. Iaszlo BENDEFFI

This unit performed work of 1st-3rd order accuracy. Vertical control in Hungary was based on MADAP and not on KRONSTADT. For recent mapping, some new levelling surveys had been performed but most of the older data was still being used. The fact that many different agencies in the past had performed levelling work resulted in data of different quality and accuracy. Some vertical control points had three different values. 25X1

3. GULAEPTOK (Survey Tower Construction Branch) This branch consisted of eight people. 25X1 This unit was responsible for constructing survey towers for triangulation operations.

d. VAROSMERESI (City Surveying Division - for Budapest only) The total complement of this division was 40 people. 25X1 The division consisted of the "ALAPPONTISORITOK" (City Triangulation Branch), and the "VAROSMEROK" (City Surveying Branch). The work performed by this division was accurate. The division prepared maps at 1:1,000, 1:2,000, and 1:5,000 scales. 25X1

e. MEZOGAZDASAGI (Agricultural Division) Approximately 150 persons were employed in this division. 25X1

The following branches were included in this division: KATASZTER (Cadastral); ILLESZTOPOINT; there is no English equivalent for this term but it refers to work establishing intersected, resected, or traverse points for trigonometric fill nets. This branch was organized in April 1955 at the time the Geodetic Division of the Military Cartographic Institute (MTI) was deactivated. Personnel from the division were then transferred to the Topographic Division of the MTI in order to help with the increased work requirements for the new 1:25,000 series scheduled for completion by 1958. The "ILLESZTOPOINT" Branch of the BGV was engaged solely in work connected with the new 1:25,000 military maps.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

- 4 -

25X1

1. CSILLAGASZAT (Astronomic Division) It was comprised of about three or four engineers and was headed by Antras SARDU [redacted]

25X1

4. PECS GEODETIC AND CARTOGRAPHIC ENTERPRISE (PECSI GEODEZIAI ES TERKEPESZETI VALLALAT - PGTV) This agency was on the same level as the Budapest Geodetic and Cartographic Enterprise and was under the supervision of the AFTH. It was located at Zrínyi Utea 4, Pecs. The building was a 3-story brick structure of neo-Gothic style. Approximately 60 people (all civilians) were employed by the PGTV. Its chief was Zoltan FORONYI,

[redacted] Foronyi is still at the Enterprise. The PGTV was organized into two main divisions:

25X1

- a. GEODEZIAI (Geodetic) This division employed about 40 people. [redacted]

[redacted] Prior to October 1956, there were 15 engineers working at the division; the rest were technicians. The Geodetic Division was divided into three branches: Topographic Branch - It had four or five draftsmen who were working on the 1:5,000 maps; Triangulation Branch - It did 5th order work only, plus occasional levelling; Uranium Mine Surveying Branch.

25X1

- b. VAROSMERES (City Survey Division for Pecs and Komlo only) had a total complement of 20 employees of whom about 7-9 were trained engineers.

c. SZECHED Branch Office of PGTV employed approximately 30 people. Its organization was similar to that of the Pecs home office though its administration and finance were handled by the Pecs office.

5. MEGYE (District) Surveying Institute (MEGYEI FOLMÉRÉSI INTÉZET - MEFT) Every MEGYE (District) had a Surveying Institute. Seven or eight people (two or three engineers) were employed in each Institute. The Institutes were responsible primarily for cadastral mapping. Present cadastral maps in Hungary were compiled at the scale of 1:1,000 and, in the estimation of the sources, were very accurate. They did not, however, show elevations (vertical control).

6. Cartographic Enterprise (KARTOGRAFIAI VALLALAT) This organization was located in Budapest, Ferczel Mor Utea (number unknown), opposite the American Legation. The Enterprise occupied the second floor of a 4-story, brick stucco building. About 60-70 people worked here for the Enterprise. The following outstanding personalities were connected with the Cartographic Enterprise: Jozsef SOMLO -

[redacted] Istvan YONI -

25X1

[redacted] sub-divisions were organized depending on the nature of work to be done. Before 1955, this agency was part of the AFTH. The Cartographic Enterprise was responsible for the compilation and drafting of the 1:5,000 maps as well as for the production of road, railway, tourist, and other unclassified map material. All data for the compilation of such maps were supplied by the AFTH and the BGTV. Draftsmen employed by the Enterprise underwent 2 years training at the AFTH (6 months of schooling and the rest on-the-job training).

7. Offset Printing (OFFSET NYOMDA). [redacted]

[redacted] it did all the printing for the Cartographic Enterprise, the BGTV, and the AFTH.

25X1

8. Other Government Agencies engaged in surveying and/or mapping.

a. Ministry of Agriculture (FOLMŰVELÉSÜGYI MINISZTERIUM) This agency was in charge of surveying operations for canals and irrigation systems throughout Hungary. It did not compile any maps. It had two main sub-divisions: VÍZÜGYINTÉRVÉZŐ VALLALAT (Water Planning Enterprise) which had branch offices at various localities, primarily in the Danube - Tisza area (rice fields); AGROTÉRV (Agricultural Planning) in charge of planning collective farms. It did surveying and some cadastral work but for its own use only. It employed about 40 people, of whom 10 were engineers.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

- 5 -

25X1

b. Road and Railroad Planning Enterprise (UI-VASUT TERVEZO VALLALAT - UVATERV) This agency conducted surveys and made plans for roads, railroads, bridges, profile studies, etc. It was divided into three sections: Geodetic, Road, and Railroad. Geodetic Section was headed by Laszlo LIPICH,

25X1

His assistant was Bela BURKUS,

c. Soil Research Institute (TALAJVIZSGALO INTESZET)

it prepared maps for its own use as well as for the Geophysical Institute.

25X1

- end -

C-O-N-F-I-D-E-N-T-I-A-L

Approved For Release 2008/12/03 : CIA-RDP80T00246A003200190001-5

Page Denied

Next 1 Page(s) In Document Denied

25X1

Approved For Release 2008/12/03 : CIA-RDP80T00246A003200190001-5

CONFIDENTIAL

25X1

25X1

Inclosure 1

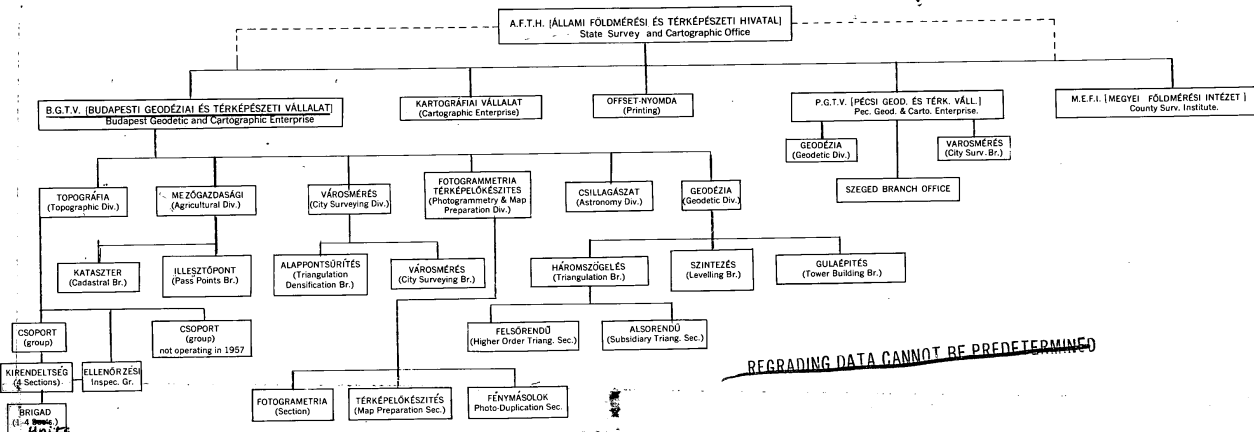
CONFIDENTIAL**CONFIDENTIAL**

25X1

Chain of Command for Civilian Mapping Organizations
of Hungary

E nclosure (A) →

DRAFT



REGRAIDING DATA CANNOT BE PREDETERMINED

Inclosure No. 1

CONFIDENTIAL